

System and Method for Testing, Monitoring, and Tracking
Distributed Transactions Using a Search Engine

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Abstract of the Disclosure

5 A distributed system of cooperative processes running on multiple processors of a
computer network to accomplish a distributed transaction can be monitored and their
execution traced by logging in a local resource of each processor records of execution data of
the process on the processor. A search engine runs on each processor. The search engine
retrieves corresponding records of execution data in response to a query. Such a query can be
10 a distributed query issued to the processors simultaneously. The search engine may also
index the records of execution data residing on the processor on which the search engine runs.
By having a search engine run on each processor to manage local records of execution and
retrieving the logged data using a distributed query, the present invention allows testing,
monitoring and tracking of the distributed system during operation and subsequent to
15 occurrence of a fault.